CIVIL AIM CONSULTANTS & ENGINEERS

(Building Geo-Tech & Highway Materials Testing Laboratory)

An ISO 9001-2015 Certified Company

NABL Accredited As Per ISO/IEC 17025:2017 Laboratory

QC ABSTRACT

Nameof Work: "Construction of Additional floor to Kenchenahalli Samudaya Bhavana in Ward No.01", BBMP,Bangalore.

Sl. No.	Item	Quantity As Per BOQ	Required No's of testes as per frequency	Actual No's of testes as per frequency	Testes Resuts
1	Materials	–	1	1	Pass
2	Steel	5.75 Tonne	1	1	Pass
3	M25	31.03 Cum	4	7	Pass
4	M15	13.71 Cum	2	2	Pass
5	Bricks	55.79 Cum	1	1	Pass
6	CPVC-25mm	100.00Mtr	1	1	Pass
7	CPVC-32mm	100.00Mtr	1	1	Pass
8	PVC-100mm	75.00Mtr	1	1	Pass
9	Ceramic Tiles	20.58 Sqm	1	1	Pass
10	Vetrified Tiles	4.44Sqm	1	1	Pass
11	Stainless Steel	131.76 Kgs	1	1	Pass

Cubes

0-5 Cum	1Set
6-15 Cum	2Set
16-30 Cum	3Set
31-50 Cum	4Set

Add 1set for extra 50Cum

A.E.E.

For CIVIL AIM CONSULTANTS AND ENGINEERS

Authorised Signatory

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CIVIL AIM CONSULTANTS & ENGINEERS

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Date : 11.03.2024

Job No.: CACE/BBMP/TSK-1/W.No.01/2023-24

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.**

Agency : **Sri. T S Kothanda Raju(Prop. R K Constructions, Prop. Shree Charan Constructions), Contractor, Bangalore.**

Name of Work : "Construction of Additional floor to Kenchenahalli Samudaya Bhavana in Ward No.01", BBMP,Bangalore.

Date of Testing : 11.03.2024

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	85	8.50	8.50	91.5	90-100
2.36	168	16.80	25.30	74.7	75-100
1.18	180	18.00	43.30	56.7	55-90
600 Micron	158	15.80	59.10	40.9	35-59
300 Micron	225	22.50	81.60	18.4	8-30
150 Micron	119	11.90	93.50	6.5	0-10

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples collected at the site.
3. Any Query regarding the report must be reported within 30days from the date of testing.

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Job No.: CACE/BBMP/TSK-I/W.No.01/2023-24 Date : 11.03.2024

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.**

Agency : **Sri. T S Kothanda Raju(Prop. R K Constructions, Prop. Shree Charan Constructions), Contractor, Bangalore.**

Name of Work : "Construction of Additional floor to Kenchenahalli Samudaya Bhavana in Ward No.01", BBMP,Bangalore.

Date of Testing : 11.03.2024

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	172	3.4	3.4	96.6	95-100
10	2461	49.2	52.7	47.3	25-55
4.75	2002	40.0	92.7	7.3	0-10

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Job No.: CACE/BBMP/TSK-1/W.No.01/2024-25

Date: 03.05.2024

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.**
Agency	**: Sri. T S Kothanda Raju(Prop. R K Constructions, Prop. Shree Charan Constructions), Contractor, Bangalore.**
Name of the work	: "Construction of Additional floor to Kenchenahalli Samudaya Bhavana in Ward No.01", BBMP,Bangalore.
Sample ID	: Cement Concrete for FF Roof Slab
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	26.04.2024	03.05.2024	8.102	392.5	17.44
2	26.04.2024	03.05.2024	8.109	397.6	17.67
3	26.04.2024	03.05.2024	8.114	392.9	17.46

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Job No.: CACE/BBMP/TSK-1/W.No.01/2024-25 Date: 18.07.2024

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.**

Agency : **Sri. T S Kothanda Raju(Prop. R K Constructions, Prop. Shree Charan Constructions), Contractor, Bangalore.**

Name of the work : "Construction of Additional floor to Kenchenahalli Samudaya Bhavana in Ward No.01", BBMP,Bangalore.

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.06.2024	18.07.2024	8.188	381.9	16.97
2	20.06.2024	18.07.2024	8.191	382.5	17.00
3	20.06.2024	18.07.2024	8.195	384.9	17.11

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A.E.E.

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